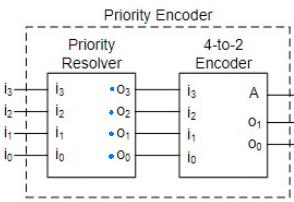
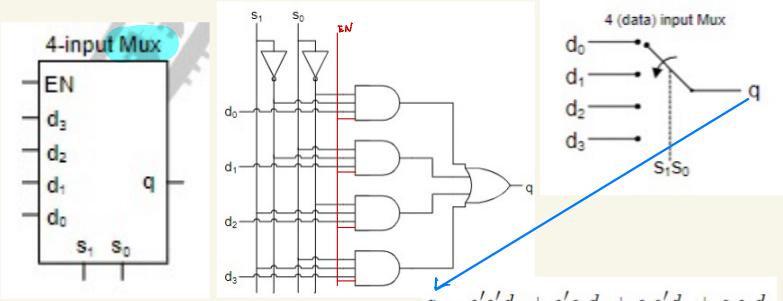


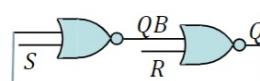
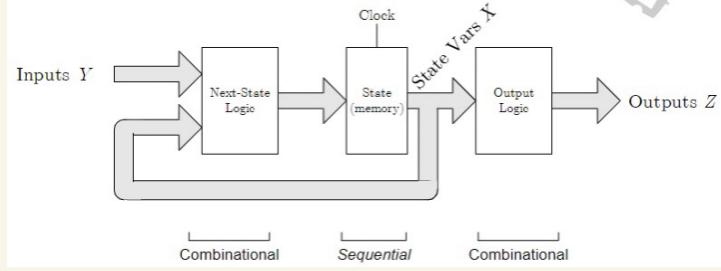
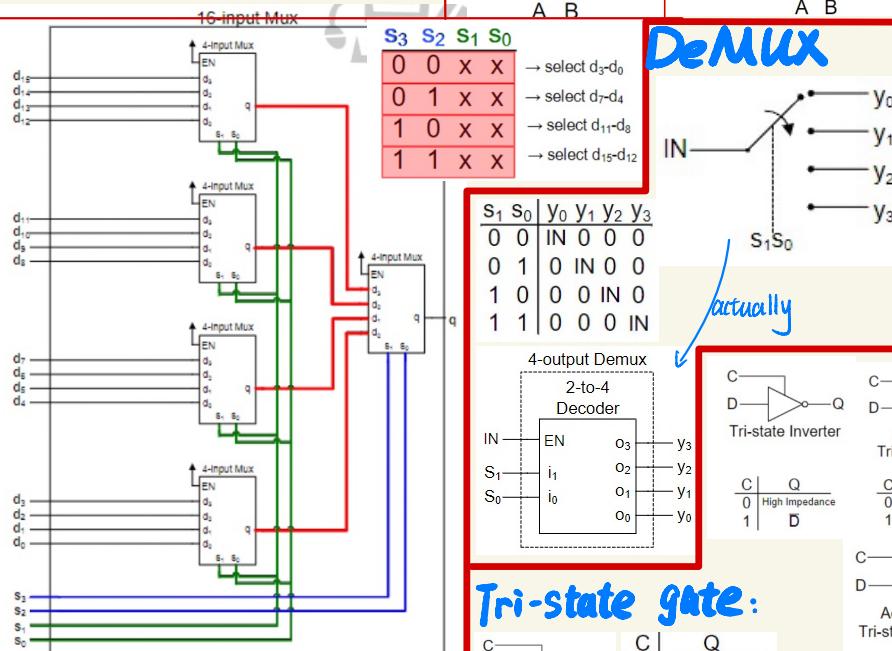
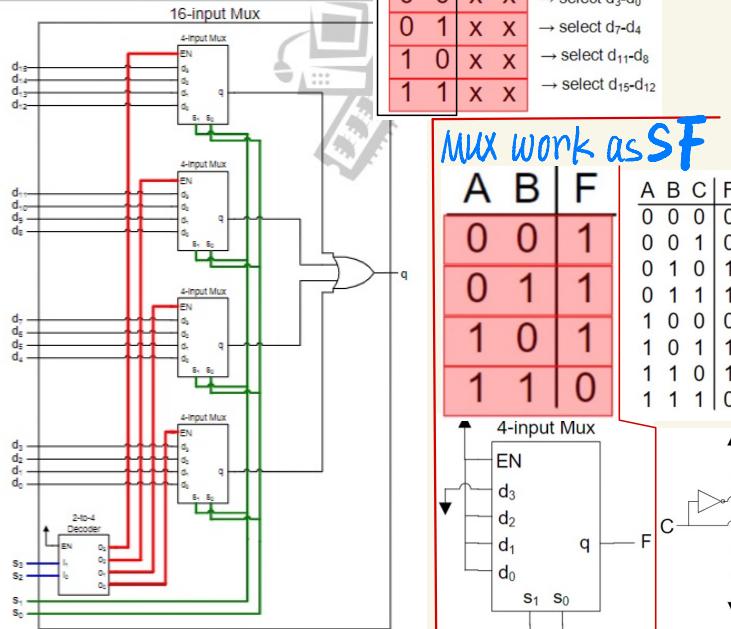
$i_1$	$i_2$	$i_1$	$i_0$	$o_1$	$o_0$	A
0	0	0	0	0	0	0
0	0	0	1	0	0	1
0	0	1	0	0	1	1
0	1	0	0	1	0	1
1	0	0	0	1	1	1
all others				d	d	d



$o_3 = i_3$	$i_3$	$i_2$	$i_1$	$i_0$	Priority Resolver
$o_2 = i_2 \cdot \overline{i_3}$	0	0	0	0	0 0 0 0
$o_1 = i_1 \cdot \overline{i_2} \cdot \overline{i_3}$	0	0	0	1	0 0 0 1
$o_0 = i_0 \cdot \overline{i_1} \cdot \overline{i_2} \cdot \overline{i_3}$	0	1	x	x	0 1 0 0



## Building larger Mix



<i>S</i>	<i>R</i>	<i>Q</i> <sup>+</sup>	<i>QB</i> <sup>+</sup>	Function
0	0	Q	QB	Hold
0	1	0	1	Reset
1	0	1	0	Set
1	1	0	0	Invalid

